Amendments to the Claims

The following listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1. (currently amended) A computer implemented method of modeling information using a combination of space and time relationships and hierarchical, semantic relationships, the method comprising:

providing at least one database comprising a plurality of data elements, each of said data elements having a mechanism to contain a representation of data in a space and time relationship;

organizing each data element such that each data element ~~may have at least one~~ comprises a frame~~, each frame~~ containing quantitative data along time and space axes, and such that each data element ~~may have at least one~~ comprises an event~~, each event configured so that it may be~~ positioned along the time axis and ~~include at least one~~ including a hierarchical connection to at least one other of the plurality of data elements; and

wherein the hierarchical connection between ~~each of the plurality of~~ data elements comprises a link between a common event ~~is made through at least one event~~ in each ~~of two or more of the plurality of~~ respective data element~~s with a link~~, the link defined by a link model, each link model categorizing data and indicating the purpose of the associated link.

2 – 4. (cancelled)

5. (previously amended) The method of claim 1 wherein at least one of the plurality of the data elements is for a historical event.

6. (previously amended) The method of claim 1 wherein at least one of the plurality of the data elements is for a person.

7. (previously amended) The method of claim 1 wherein at least one of the plurality of the data elements is for a geographic location.

8. (previously amended) A computer implemented method for modeling data, the method comprising:

organizing the data into data elements, each data element configurable to have a frame and a second portion;

configuring each frame such that the frame includes a place to hold a physical representation of the respective data element including date, position, extension, orientation, and additional data regarding the respective data element,

where the date information provides a location in time for the respective data element, and the position information provides an indication of position in a coordinate system,

configuring each data element such that the second portion includes a place to hold semantic information in the form of a link to at least one second data element and a link model that describes the reason why the link to the at least one second data element exists.

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9 – 13. (cancelled)

14. (previously amended) A computer program product for organizing data according to a data model, the product comprising:

computer code that provides at least one database comprising a plurality of data elements, each of said data elements containing a representation of data in a space and time relationship, and being linked to other data elements in a hierarchical relationship via one or more links, each link defined by a link models, each link model categorizing data and indicating the purpose of the associated link;

computer code that retrieves at least one of the data elements such that information can be viewed based on spatial relationships, time relationships, or hierarchical relationships; and

a computer readable medium that stores the computer code.

15 – 16. (cancelled)

17. (currently amended) A method of creating a database using a data model, the method comprising:

creating data elements, each data element having an event;

connecting the events in a space and time relationship;

providing a linking mechanism such that each data element ~~may be~~ is linked to at least one other data element based on at least one common event in each of the data elements; and

assigning a link model to each of the links, the link model providing a reason for the existence of the link, the linking of the data elements organizing the data elements in the database.

18. (cancelled)

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19. (currently amended) A data model comprising:

a plurality of worldlines, each worldline having

a time dimension, and

a unique identifier,

at least one frame, the at least one frame including space/time information and a unique identifier; and

an omni-directional link between at least two of the plurality of worldlines, the link including information regarding why it exists and a unique identifier.

20. (previously added) A data model as claimed in claim 19, wherein each worldline has a second dimension including at least one event having a unique identifier and organized in a time relationship.

21. (previously added) A data model as claimed in claim 19, wherein each link includes a link model having a unique identifier.

22. (previously added) A data model as claimed in claim 19, wherein each frame includes date information.

23. (previously added) A data model as claimed in claim 19, wherein each frame includes position information.

24. (previously added) A data model as claimed in claim 19, wherein each frame includes extension information.

25. (previously added) A data model as claimed in claim 19, where each frame includes orientation information.

26. (previously added) A data model as claimed in claim 19, wherein each frame includes simple raw data or a pointer to complex raw data.

27. (previously added) The method of claim 1, wherein at least one of the plurality of data elements is for a photograph.

28. (previously added) The method of claim 1, wherein at least one of the plurality of data elements is for a painting.

29. (previously added) The method of claim 1, wherein at least one of the plurality of data elements is for a musical composition.

30. (previously added) The method of claim 1, wherein at least one of the plurality of data elements is for a business.

31. (previously added) The method of claim 1, wherein at least one of the plurality of data elements is for a school.

32. (previously added) The method of claim 1, wherein at least one of the plurality of data elements is for a government agency.

33. (previously added) The method of claim 1, wherein at least one of the plurality of data elements is for a product.

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34. (previously added) The method of claim 1, wherein at least one of the plurality of data elements is for a building.

35. (previously added) The method of claim 1, wherein at least one of the plurality of data elements is for a service.

36. (new) A data model for organizing a plurality of data elements, comprising:

a plurality of data elements, wherein each data element comprises:

a frame having quantitative data relating to the data element; and

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an event having a link and a link model, wherein the link associates the data element with a related data element, the association being an event common to both data elements.